Configuration Manual

Wireless access point 802.11b/g

legrand®

www.legrand.fr

Introduction

If your installation features several Legrand wireless Access points that need to be configured, please configure them separately. The configuration wizard may differ according to the product range.

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1 / QUICK CONFIGURATION

1.1 / CONNECTING THE ACCESS POINT TO THE LOCAL NETWORK

To start configuration, your wireless access point must be connected to the local network via a cable.

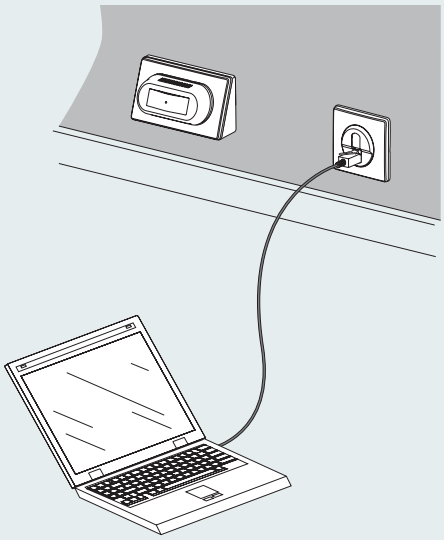
Your computer must also be connected to the local network using:
- another network cable or
- the wireless connection.

If you use the wireless connection, you need to use the wireless connection manager on your computer to display the networks available and connect to the network (SSID) indicated on the ID card of your Legrand Access Point.

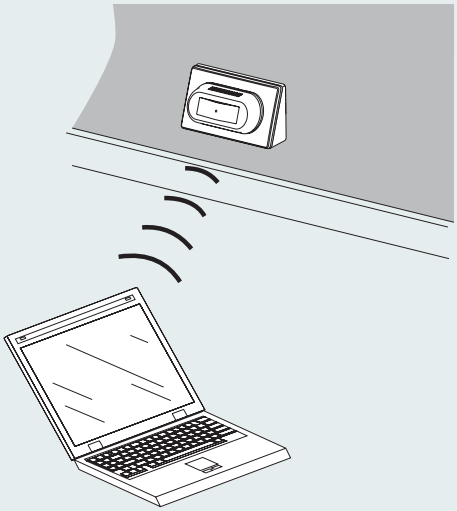
This CD-Rom enables you to secure your wireless network. Place the CD in the appropriate drive in your computer, the main menu of the CD-Rom will automatically be displayed. Otherwise use Windows explorer to browse the content of the CD-Rom and double-click on the **setup.exe** icon.

Once installed on your computer, this device discovery tool can be accessed via:
Start menu/Programs/ASUS discovery/WL-330ge Wireless AP/Device discovery

Connecting your computer using a network cable

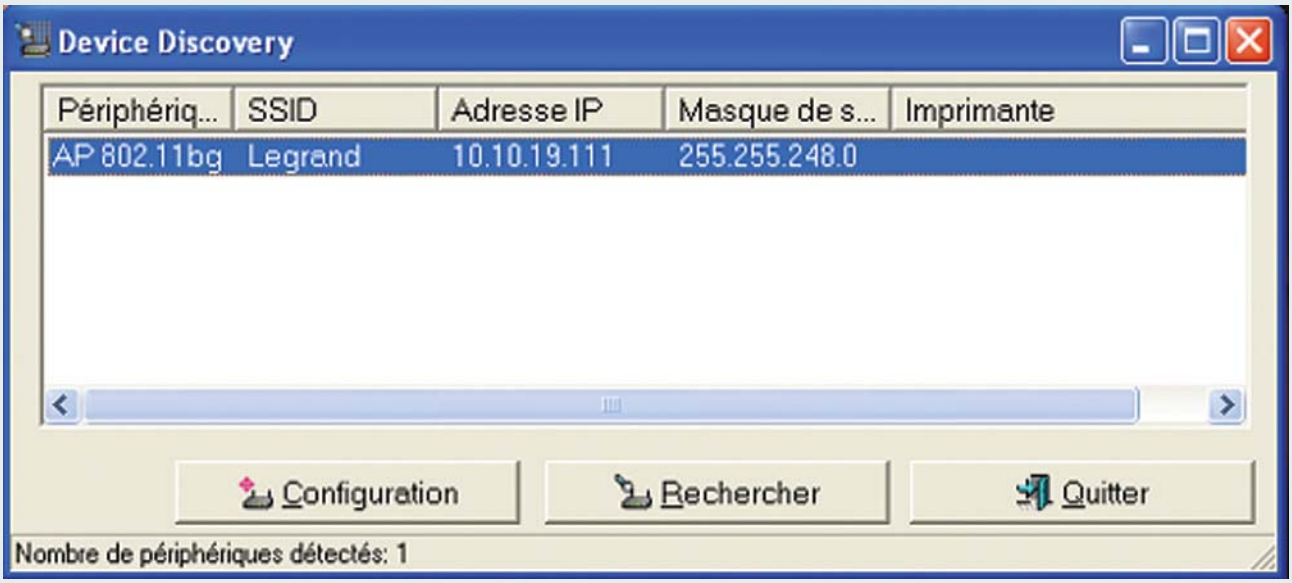


Connecting your computer using a wireless connection



1.2 / LAUNCHING THE “WIRELESS AP” CONFIGURATION WIZARD

The configuration wizard starts up…



The tool displays the name of the Access point (peripheral device), the name of the network (SSID), the IP address of the Access point and the sub-network mask.

Select the Access point. Click **Configuration**

1.3 / CONFIGURATION PASSWORD

The **Password** window is then displayed. Enter the configuration password provided on the Access point ID card.

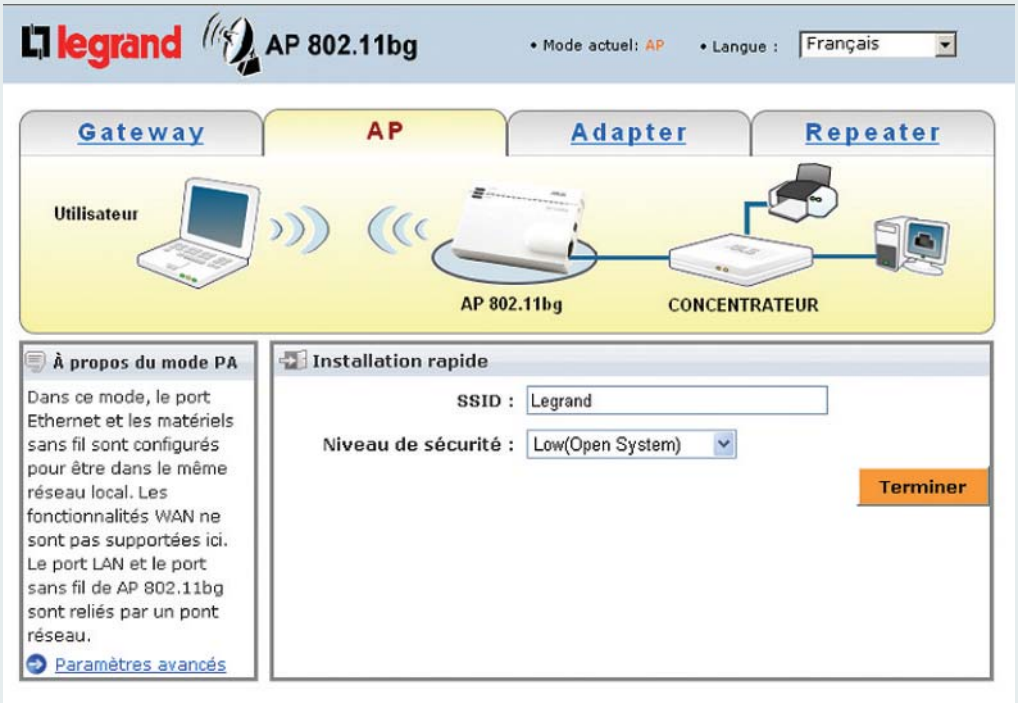
Click **OK.**

Caution:
If you tick the "**Remember my password**" box, you don't need to complete the password field each time you access the wireless configuration wizard.
You should not tick this box if other people use your computer, as they might modify the Access point configuration.

1.4 / NETWORK NAME, CHANNEL

You are now on the quick configuration page for the Access point.

In this configuration tab, you will find the network name (SSID) and the security level (encryption mode) that need to be defined.
- Define your network name (SSID)
- Define a security level for the Legrand Access point


legrand
AP 802.11bg
• Mode actuel: AP
• Langue :
Français
Gateway
AP
Adapter
Repeater
Utilisateur
AP 802.11bg
CONCENTRATEUR
À propos du mode PA
Dans ce mode, le port Ethernet et les matériels sans fil sont configurés pour être dans le même réseau local. Les fonctionnalités WAN ne sont pas supportées ici. Le port LAN et le port sans fil de AP 802.11bg sont reliés par un pont réseau.
Paramètres avancés
Installation rapide
SSID : Legrand
Niveau de sécurité : Low(Open System)
Terminer

Low (unrestricted access)
No password

Medium (WEP 64 Bits)
Enter a network key (10 Hexadecimal characters)

Medium (WEP 128 Bits)
Enter a network key (26 Hexadecimal characters)

High (WPA-Personal)
Enter a network key (8 characters minimum, alphanumeric)

Note down your network key on the reverse of the ID card.

The Legrand Access point supports 3 encryption techniques:

WEP 64-bit:
supported by all wireless equipment

WEP 128-bit:
similar to WEP 64-bit but offers improved security

WPA-PSK:
more recent, offering the highest level of security possible. WPA is much more robust than the WEP protocol.

Click **Finish**

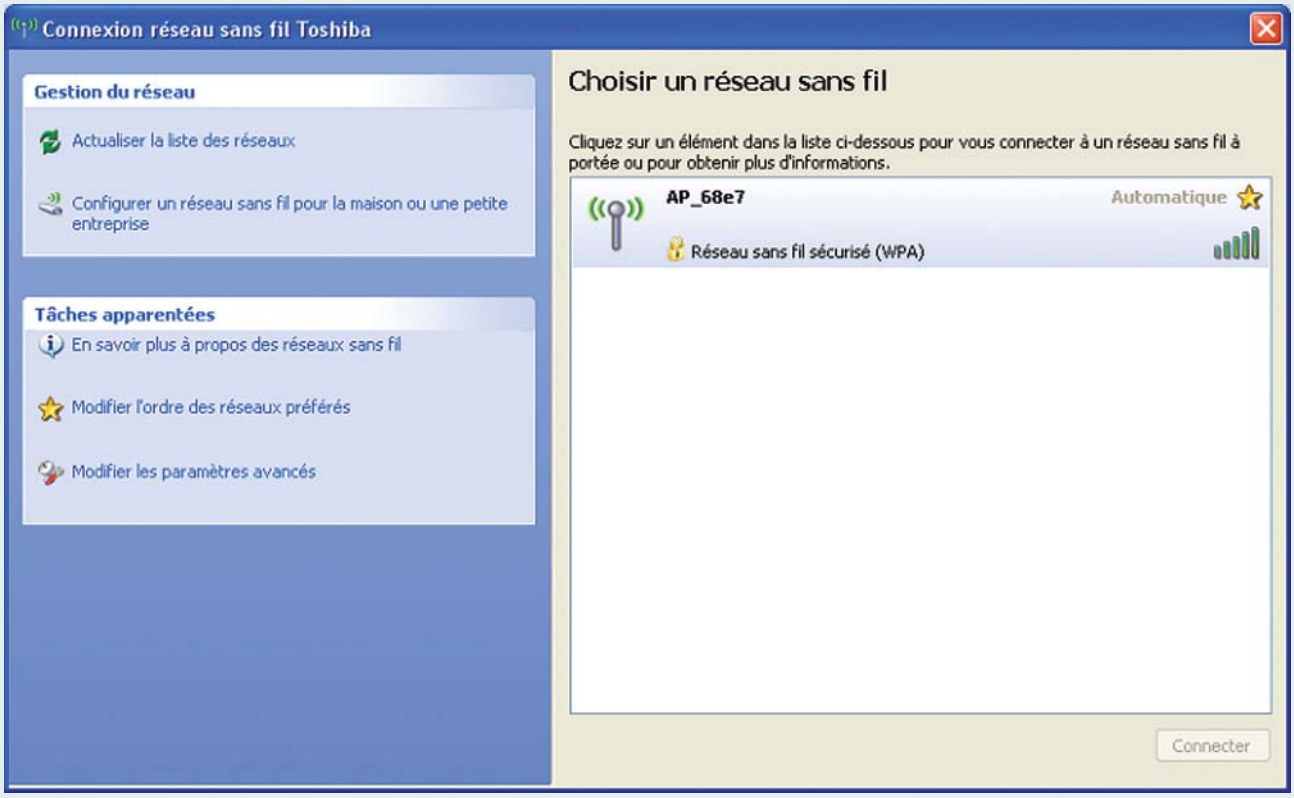
then

Click **OK**

Your Wireless Access point is now configured. To disconnect from the Access point, close your browser

1.5 / CONNECTING TO THE WIRELESS NETWORK

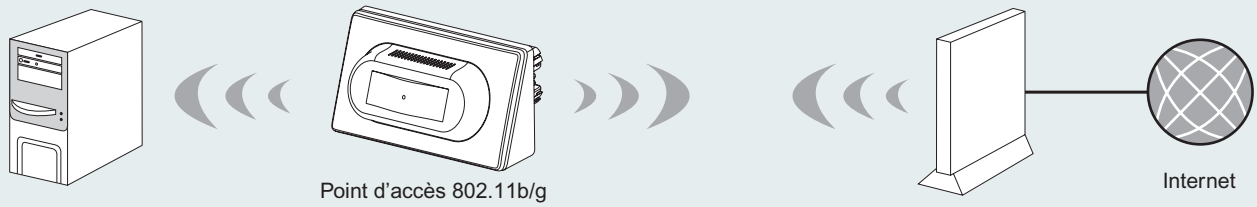
If your computer does not already have wireless capability, you need to install a wireless adapter (e.g. on a USB port) and refer to the manufacturer's instructions.
Activate the WiFi function on your computer and use the wireless connection manager to display the wireless networks available.


Connexion réseau sans fil Toshiba
Gestion du réseau
Actualiser la liste des réseaux
Configurer un réseau sans fil pour la maison ou une petite entreprise
Tâches apparentées
En savoir plus à propos des réseaux sans fil
Modifier l'ordre des réseaux préférés
Modifier les paramètres avancés
Choisir un réseau sans fil
Cliquez sur un élément dans la liste ci-dessous pour vous connecter à un réseau sans fil à portée ou pour obtenir plus d'informations.
AP_68e7
Automatique
Réseau sans fil sécurisé (WPA)
Connecter

Select the network with the SSID indicated in step 1.4.
If required enter the WEP or WPA password.
You are now connected to the network.

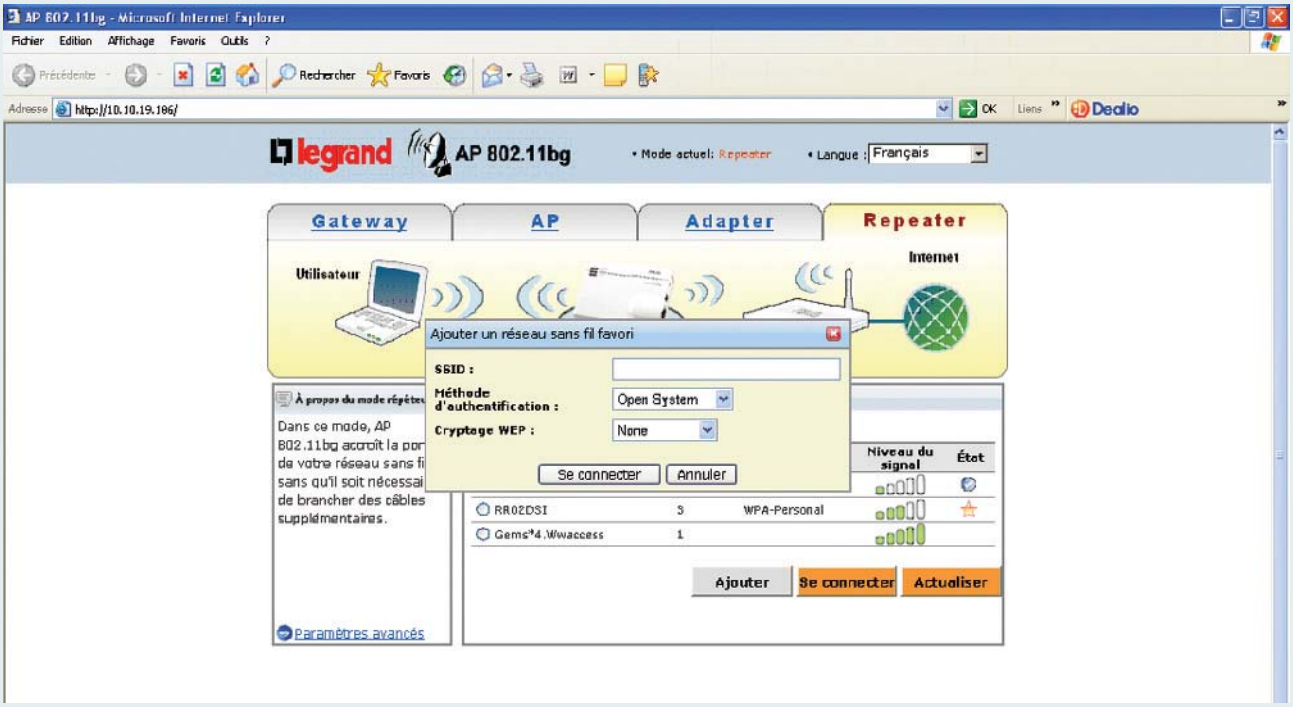
1.6 / REPEATER MODE

In **Repeater** mode, you can use the Legrand Access point to extend your wireless network coverage.



To configure your 802.11 b/g access point in Repeater mode:

1. Click the **Repeater** tab, the Repeater page is displayed.



2. Select the peripheral device you wish to connect to from the list of available devices on the local network.
   If you cannot find the device you wish to connect to in the list, you can add it. Refer to the "**Adding a peripheral device to the list**" section.
3. Click **Connect**.

To add a peripheral device to the list:

1. When the **Adapter** tab page is open, click Add. The pop-up window "**Add preferred Wireless Network**" appears.
2. Select the appropriate SSID (Service Set IDentifier), a unique identifier attached to the data packets sent via a wireless network.
3. Select an authentication method:
   Open System
   Shared System
   WPA-Personal
   WPA2-Personal
4. Click **Connect**. The device is now visible in the list.

2 / ADVANCED PARAMETERS
2.1 / NAVIGATION MENU

If you select “Advanced Parameters” on the quick configuration page, the following page appears:

Accueil
Installation rapide
Sans fil
Configuration IP
Paramètres du systèm
État & Journal
Fermer la session
Point d'accès
Installation rapide permet aux utilisateurs de définir les paramètres de base.
802.11 g et WPA/WPA2 supporte un débit de transmission maximum de 54 Mbits/s, assure la rétrocompatibilité avec la norme 802.11b et une sécurité interopérable améliorée.
État & Journal consigner l'état du système en détails.
Ce site est optimisé pour les versions 5.5 et plus d'Internet Explorer.
Cliquez sur SUIVANT pour démarrer l'Installation rapide
Suivant

Click **Next** to return to the “Quick Installation” mode.

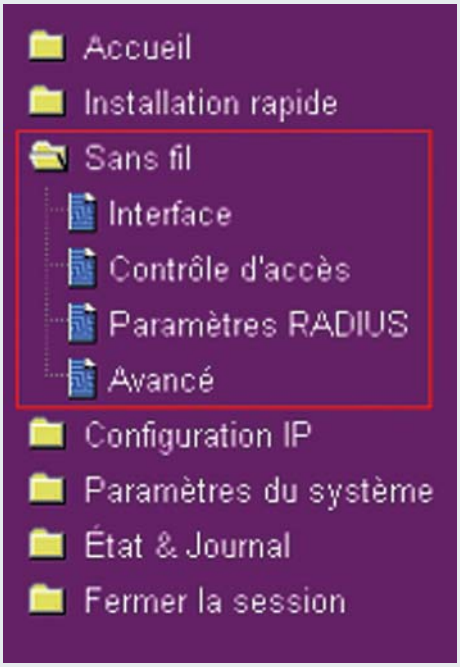
The navigation menu on the left of the screen contains the main menu and sub-menus.

Use the navigation menu to configure the various functions of the Legrand wireless Access point.

Click a menu item to display its sub-menu. Follow the instructions to configure the Access point. Explanatory mouseover text will appear when the mouse pointer is moved over the various elements.

2.2 / WIRELESS

Click **Wireless** to display the sub-menu for this option.



2.2.1 / INTERFACE

SSID

The SSID name is a chain of up to 32 characters used to identify your network and distinguish it from the other surrounding networks. The name ESSID also exists, for Extended Service Set ID. If several access points are deployed in the same zone, you will need a different radio channel for each Legrand Access point. All wireless Access points connected to the same Ethernet network must have the same SSID to enable a wireless mobile client to move from one Access point to another without interruption (the default SSID is written on the card which you should must keep on hand).

Channel

Protocols 802.11b and g can support up to 14 channels for radio communications. To minimize interference, configure each Access point on channels that are distant from each other (e.g. 1, 6, 11). Select the Auto option in the channel rolldown list to enable the system to select a free channel when it boots up. Ensure that all Access points sharing the same channel or channels that are close to each other (e.g. channels 6 and 7) are physically positioned as far as possible from each other (ideally a minimum of 20 to 30 metres). See pages 24-25 for more information about interference/overlapping between channels.

Wireless mode

This field indicates the mode used by the 802.11g interface. Selecting the Auto option enables 802.11b and g clients to connect to Legrand Access points. The “54g only” option maximizes performance, but 802.11b clients will not be able to connect. If you tick the “54g Protection” box, g-mode protection for 11g traffic is automatically activated in the presence of 11b traffic.

Authentication method

This field enables you to define the authentication method that will determine the type of data encryption used. Correspondences between the authentication method, WPA encryption, the WPA shared key, WEP encryption, the passphrase and WEP keys are indicated in the table below.
If all clients support WPA encryption, it is advisable to use WPA-PSK mode for greater security.

WPA encryption

If you use the WPA-PSK authentication method, the new type of TKIP (Temporal key Integrity Protocol) encryption or AES encryption is applied.

WPA shared key

Select TKIP or AES in “WPA encryption”: this field is used as a password to initiate the encryption process. The password must contain between 8 and 63 characters.

WEP encryption

If you select the “Shared key” or “Radius with 802.1x” authentication methods, traditional WEP encryption will be used.

The following section explains more about the weak (64-bit) and strong (128-bit) WEP encryption methods.

Encryption type:

WEP 64-bit encryption

WEP 64-bit and WEP 40-bit encryption modes are similar and interoperable on the same wireless network. This level of WEP encryption uses a 40-bit encryption diagram (10 hexadecimal characters) as a secret key configured by the user and a 24-bit “initialization vector” that is not controlled by the user.
Together, these two elements constitute a 64-bit encryption method (40+24). Certain distributors refer to this encryption method as either WEP 40-bit or WEP 64-bit encryption.

WEP 128-bit encryption

WEP 104-bit and WEP 128-bit encryption modes are similar and interoperable on the same wireless network. This level of WEP encryption uses a 104-bit encryption mechanism (26 hexadecimal characters) as a secret key configured by the user and a 24-bit “initialization vector” that is not controlled by the user.
Together, these two elements constitute a 128-bit encryption method (104+24). Certain distributors refer to this encryption method as either WEP 104-bit or WEP 128-bit encryption.

Passphrase

Select “WEP 64-bit” or “WEP 128-bit” in the WEP encryption field: The access point automatically generates four WEP keys. A combination of letters, numbers and/or symbols is required (max. 64 characters). You can also leave this field blank and enter the four WEP keys manually.
WEP 64-bit key: 10 hexadecimal characters (0~9, a~f and A~F)
WEP 128-bit key: 26 hexadecimal characters (0~9, a~f and A~F)

WEP key

You can configure up to four WEP keys. A WEP key can contain either 10 or 26 hexadecimal characters (0~9, a~f and A~F) depending on whether you select 64-bit or 128-bit encryption in the WEP dropdown menu. The Legrand 802.11g access point and ALL clients connecting to it MUST have at least the same default key.

Key index:

The default key field allows you to specify which of the four encryption keys is to be used to transmit data over the local wireless network. As long as the Legrand access point and the mobile wireless client used to communicate have the same keys in the same positions, you can use any of the four keys as the default key.
If the Legrand access point and ALL its wireless clients use the same four WEP keys, select key rotation for more security. Otherwise, choose a shared key to be a default key.

Frequency of refresh of network key

This field indicates the time interval (in seconds) between two renewals of the WPA group key. Enter zero (0) to indicate that no periodical renewal is required.

2.2.2 / ACCESS CONTROL

Accueil
Installation rapide
Sans fil
Interface
Contrôle d'accès
Paramètres RADIUS
Avancé
Configuration IP
Paramètres du système
État & Journal
Fermer la session
Sans fil - Contrôle d'accès
Le contrôle d'accès vous permet de bloquer ou de court-circuiter l'accès à partir de certains ordinateurs connectés au réseau sans fil. En mode "Accepter", AP 802.11bg acceptera uniquement l'accès sans fil des ordinateurs dont l'adresse MAC est dans la liste de contrôle. En mode "Refuser", AP 802.11bg refusera l'accès sans fil des ordinateurs dont l'adresse MAC est dans la liste de contrôle.
Mode d'accès MAC :
Disable
Liste des clients connus :
Copier
Liste des droits d'accès
Ajouter
Supprimer
Adresse MAC

Elements of rolldown menu:

Deactivate (no input data required)
Accept (data to be entered)
Refuse (data to be entered)

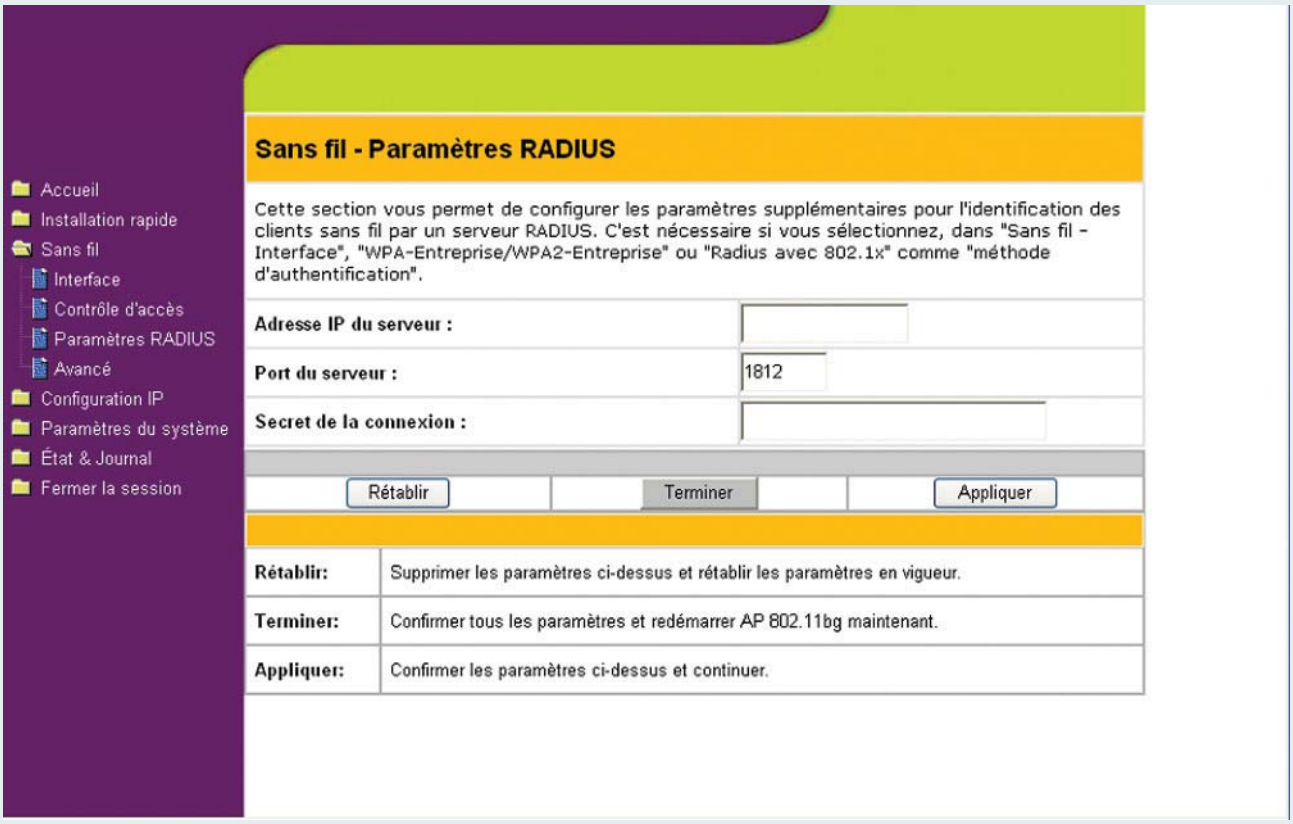
For security reasons, the Access point enables you to accept or refuse mobile wireless clients.

The default parameter “Deactivate” enables any mobile wireless clients to connect to the network. “Accept” only authorizes the connection of clients indicated on this page.
“Refuse” prevents the connection of clients indicated on this page.

Adding a MAC address

The “list of known clients” indicates the MAC address of known clients that are associated to the Access point. To add a MAC address to the access rights list, simply select the address in the list and click **Copy**

2.2.3 / RADIUS PARAMETERS


Accueil
Installation rapide
Sans fil
Interface
Contrôle d'accès
Paramètres RADIUS
Avancé
Configuration IP
Paramètres du système
État & Journal
Fermer la session
Sans fil - Paramètres RADIUS
Cette section vous permet de configurer les paramètres supplémentaires pour l'identification des clients sans fil par un serveur RADIUS. C'est nécessaire si vous sélectionnez, dans "Sans fil - Interface", "WPA-Entreprise/WPA2-Entreprise" ou "Radius avec 802.1x" comme "méthode d'authentification".
Adresse IP du serveur :
Port du serveur :
1812
Secret de la connexion :
Rétablir
Terminer
Appliquer
Rétablir:
Supprimer les paramètres ci-dessus et rétablir les paramètres en vigueur.
Terminer:
Confirmer tous les paramètres et redémarrer AP 802.11bg maintenant.
Appliquer:
Confirmer les paramètres ci-dessus et continuer.

This section lets you configure additional parameters for connecting to a RADIUS server. This is necessary if you select any of the “WPA-enterprise” or “Radius with 802.1x” or “WPA2-enterprise” authentication methods in the “Wireless interface” selection screen.

Server IP address

This field specifies the IP address of the RADIUS server to be used for 802.11x wireless authentication and derivation of the dynamic WEP key.

Server port

This field specifies the number of the UDP port used by the RADIUS server.

Connection password

This field indicates the password used to initialize a connection to the RADIUS server.

2.2.4 / ADVANCED

Accueil
Installation rapide
Sans fil
Interface
Contrôle d'accès
Paramètres RADIUS
Avancé
Configuration IP
Paramètres du système
État & Journal
Fermer la session
Sans fil - Avancé
Cette section vous permet de configurer les paramètres supplémentaires pour le mode sans fil. Cependant, il est conseillé de laisser les valeurs par défaut.
Activer le mode AfterBurner : Disabled
Masquer SSID : Yes No
Définir PA isolé : Yes No
Débit de données (Mbits/s) : Auto
Taux de base : Default
Seuil de fragmentation : 2346
Seuil RTS : 2347
Intervalle DTIM : 3
Intervalle de balise : 100
Activer les rafales de trames : Enabled
Activer WMM : Disabled

This section allows you to configure additional parameters for your Legrand Access point. We recommend that you use the default values for all fields in this window.

Hide SSID

"No" is the default option, so that mobile wireless users can see the name of your Legrand access point and connect to it. If you select "Yes", your network will not appear in the list of available networks for wireless clients, so users will have to enter the access point SSID manually. If you wish to restrict access to your network, select "Yes". For security reasons, change the default SSID.

Configure isolated AP

Selecting "Yes" will prevent wireless clients from communicating with each other.

Data transmission speed (Mbit/s)

You can use this field to specify the transmission rate. Leave it set on "Auto" to maximize performance in relation to distance.

Base rate

This field indicates the base transmission rates that the wireless client must support.
Use "1 & 2 Mbit/s" only in case backward-compatibility is required with certain old wireless network cards with connection speeds limited to 2 Mbit/s.

Fragmentation threshold (25-234)

Fragmentation is used to divide 802.11 frames into smaller packets, sent separately to the destination. Indicate a packet size threshold to activate fragmentation. If there is an excessive number of collisions on the WLAN network, try using other fragmentation values to improve frame transmission reliability. The default value (2346) is the recommended value for normal use.

RTS threshold (0-2347)

The RTS/CTS function (Request to Send/Clear to Send) is used to minimize collisions between wireless stations. When the RTS/CTS function is activated, wireless devices can only transmit after being authorized by the Access point (CTS). Indicate a packet size threshold to activate the RTS/CTS function. The default value (2347) is the recommended value.

DTIM Interval (1-255) - (Delivery Traffic Indication Message)

is a radio message used to inform clients on standby that the system must be activated to receive broadcast and multicast messages. Enter the time interval for the transmission of DTIM messages for clients on standby status. The default value (3) is the recommended value.

Beacon interval (1-5535)

This field indicates the time interval in milliseconds needed to send general system broadcast packets (beacons) in order to synchronize the wireless network. The default value (100 milliseconds) is the recommended value.

Activate frame bursts?

This field enables you to activate frame bursts to improve performance with wireless clients that support this function.

Radio power – Radio power must lie between 1 and 84 but we recommend the default value.

Activate WMM

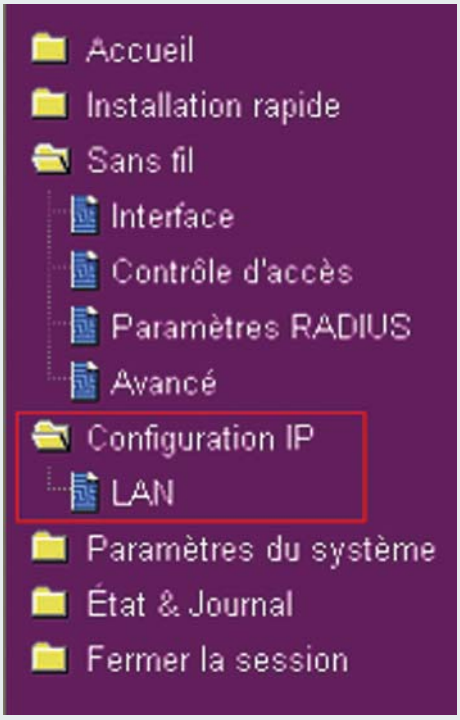
Use this field to activate the WMM function to improve multimedia transmissions.

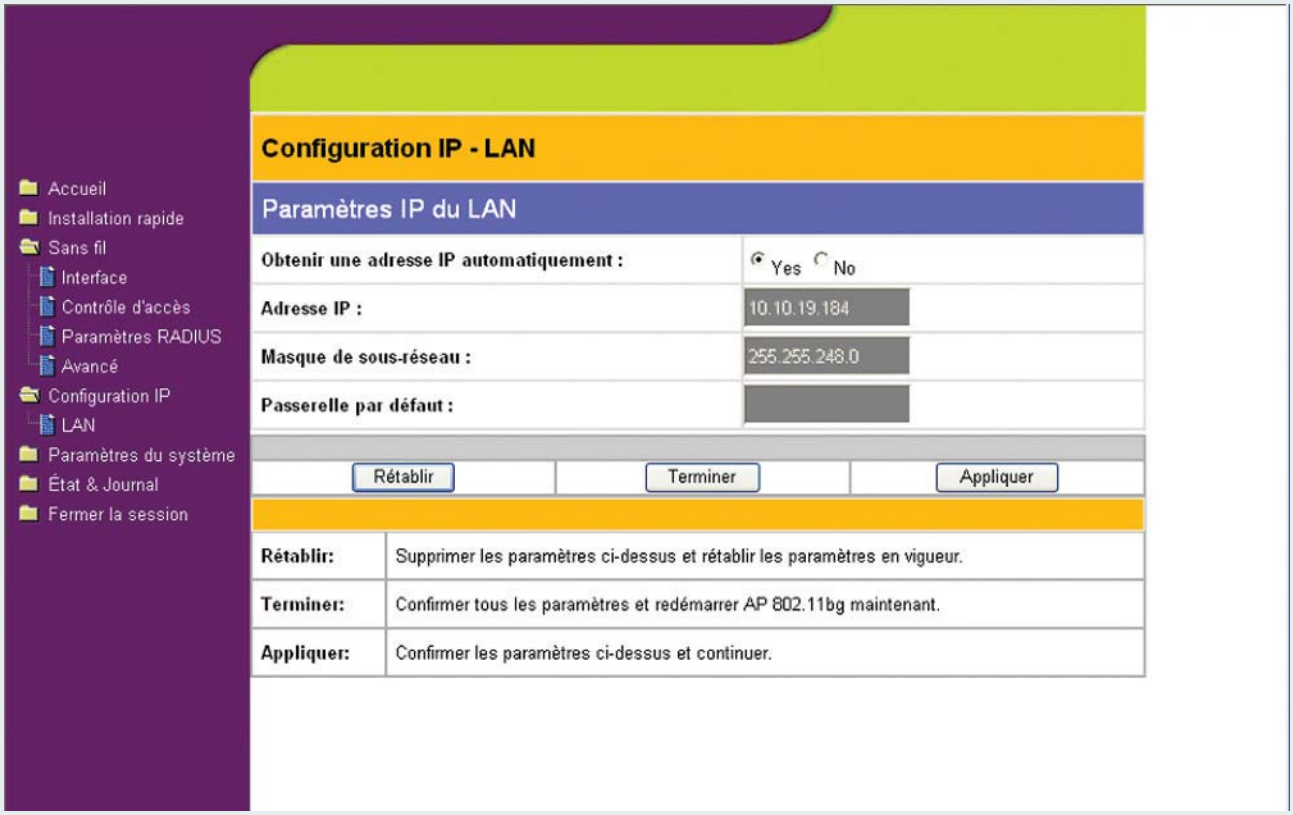
Activate WMM No-Acknowledgement

Use this field to activate the WMM No-Acknowledgement function.

2.3 / IP CONFIGURATION

Click this menu item to display its sub-menu.

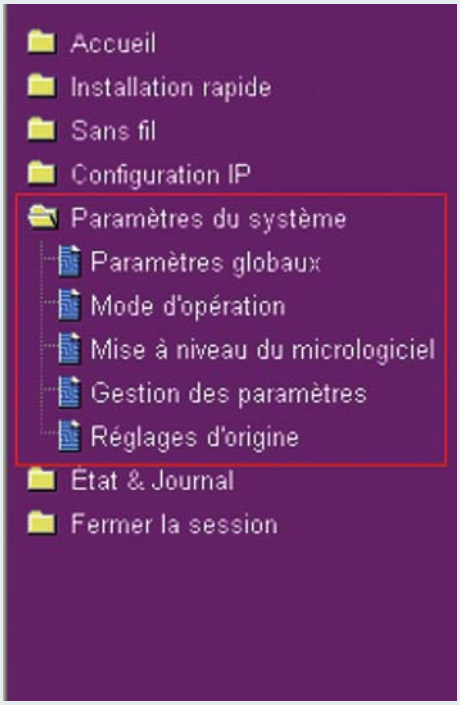




You can choose to define the Access point as a static element of your network (static IP address) or with an IP address assigned by a DHCP server.

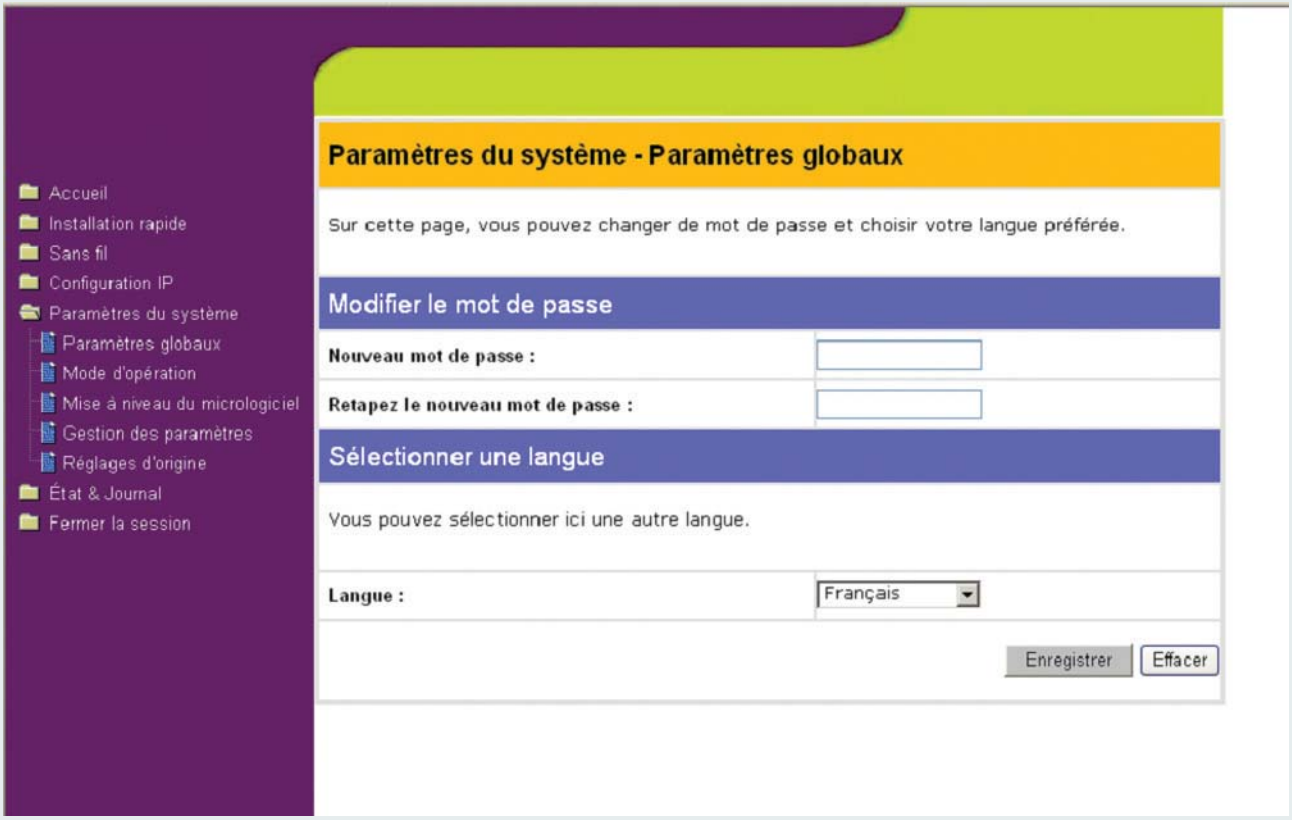
2.4 / SYSTEM PARAMETERS

Click this menu item to display its sub-menu.



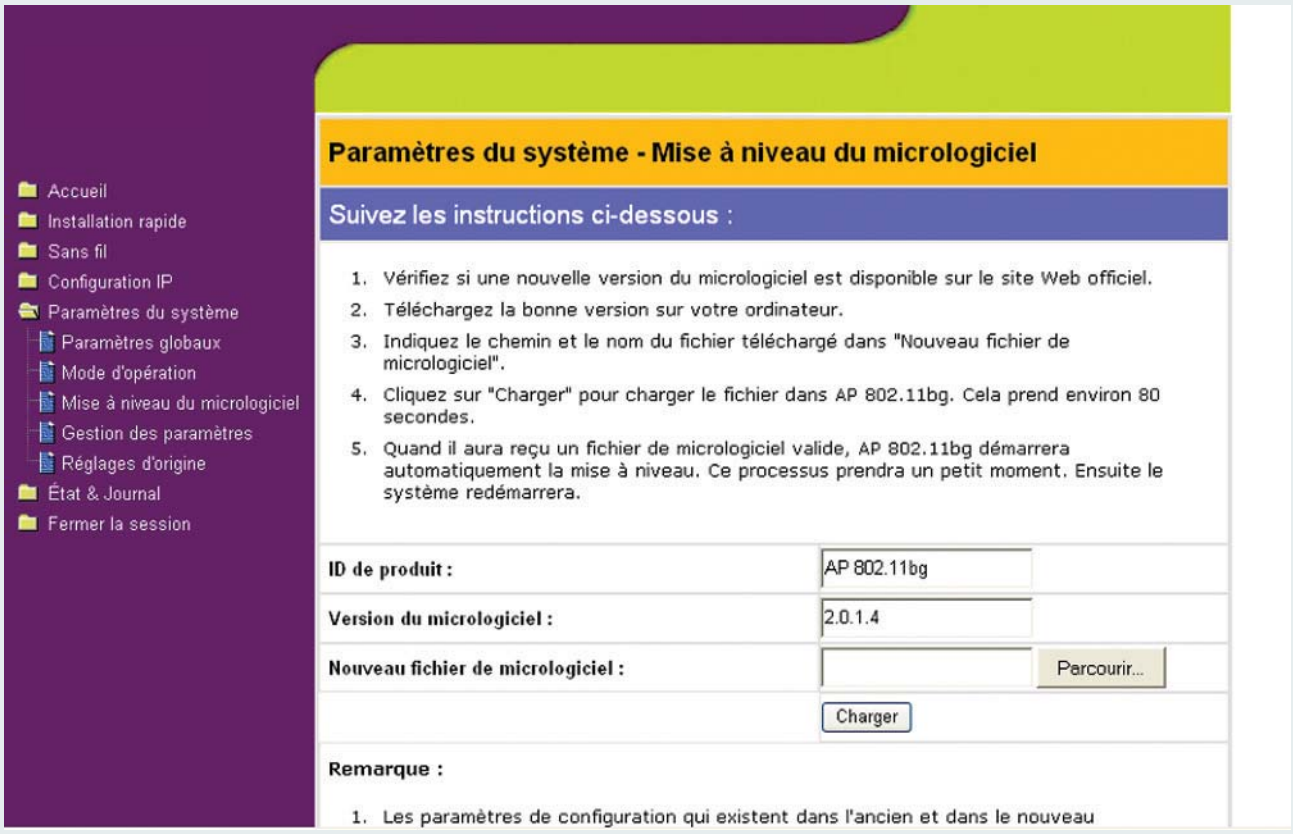
2.4.1 / GLOBAL PARAMETERS

Use this function to change your administrator password and select your preferred language.

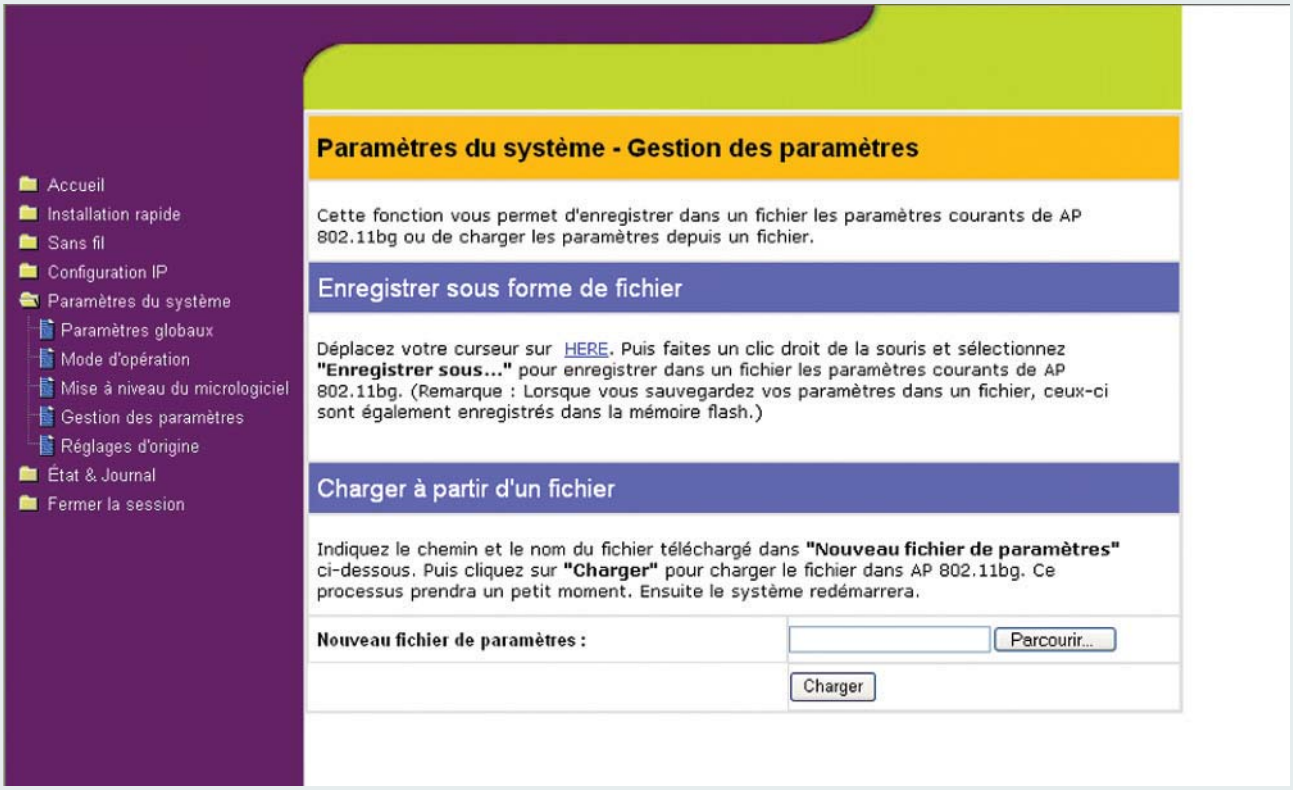


2.4.2 / UPDATING THE FIRMWARE

This page displays the current version of the firmware installed in the Legrand Access point. From time to time, new firmware is released for the Access point on the Legrand website. You can update the Access point firmware from this update page, accessible in the advanced parameter menu of the Web manager.


Accueil
Installation rapide
Sans fil
Configuration IP
Paramètres du système
Paramètres globaux
Mode d'opération
Mise à niveau du micrologiciel
Gestion des paramètres
Réglages d'origine
État & Journal
Fermer la session
Paramètres du système - Mise à niveau du micrologiciel
Suivez les instructions ci-dessous :
1. Vérifiez si une nouvelle version du micrologiciel est disponible sur le site Web officiel.
2. Téléchargez la bonne version sur votre ordinateur.
3. Indiquez le chemin et le nom du fichier téléchargé dans "Nouveau fichier de micrologiciel".
4. Cliquez sur "Charger" pour charger le fichier dans AP 802.11bg. Cela prend environ 80 secondes.
5. Quand il aura reçu un fichier de micrologiciel valide, AP 802.11bg démarrera automatiquement la mise à niveau. Ce processus prendra un petit moment. Ensuite le système redémarrera.
ID de produit :
AP 802.11bg
Version du micrologiciel :
2.0.1.4
Nouveau fichier de micrologiciel :
Parcourir...
Charger
Remarque :
1. Les paramètres de configuration qui existent dans l'ancien et dans le nouveau

2.4.3 / CONFIGURATION MANAGEMENT


Accueil
Installation rapide
Sans fil
Configuration IP
Paramètres du système
Paramètres globaux
Mode d'opération
Mise à niveau du micrologiciel
Gestion des paramètres
Réglages d'origine
État & Journal
Fermer la session
Paramètres du système - Gestion des paramètres
Cette fonction vous permet d'enregistrer dans un fichier les paramètres courants de AP 802.11bg ou de charger les paramètres depuis un fichier.
Enregistrer sous forme de fichier
Déplacez votre curseur sur HERE. Puis faites un clic droit de la souris et sélectionnez "Enregistrer sous..." pour enregistrer dans un fichier les paramètres courants de AP 802.11bg. (Remarque : Lorsque vous sauvegardez vos paramètres dans un fichier, ceux-ci sont également enregistrés dans la mémoire flash.)
Charger à partir d'un fichier
Indiquez le chemin et le nom du fichier téléchargé dans "Nouveau fichier de paramètres" ci-dessous. Puis cliquez sur "Charger" pour charger le fichier dans AP 802.11bg. Ce processus prendra un petit moment. Ensuite le système redémarrera.
Nouveau fichier de paramètres :
Parcourir...
Charger

This function allows you to record the current parameters in a file or to load parameters from a previously-saved file.

Save as file
Right click on HERE and select “Save as…” to save the current parameters in a file.

Load from a file
Indicate the file path and the name of the file to load in “New parameter file” then

Click **Load**

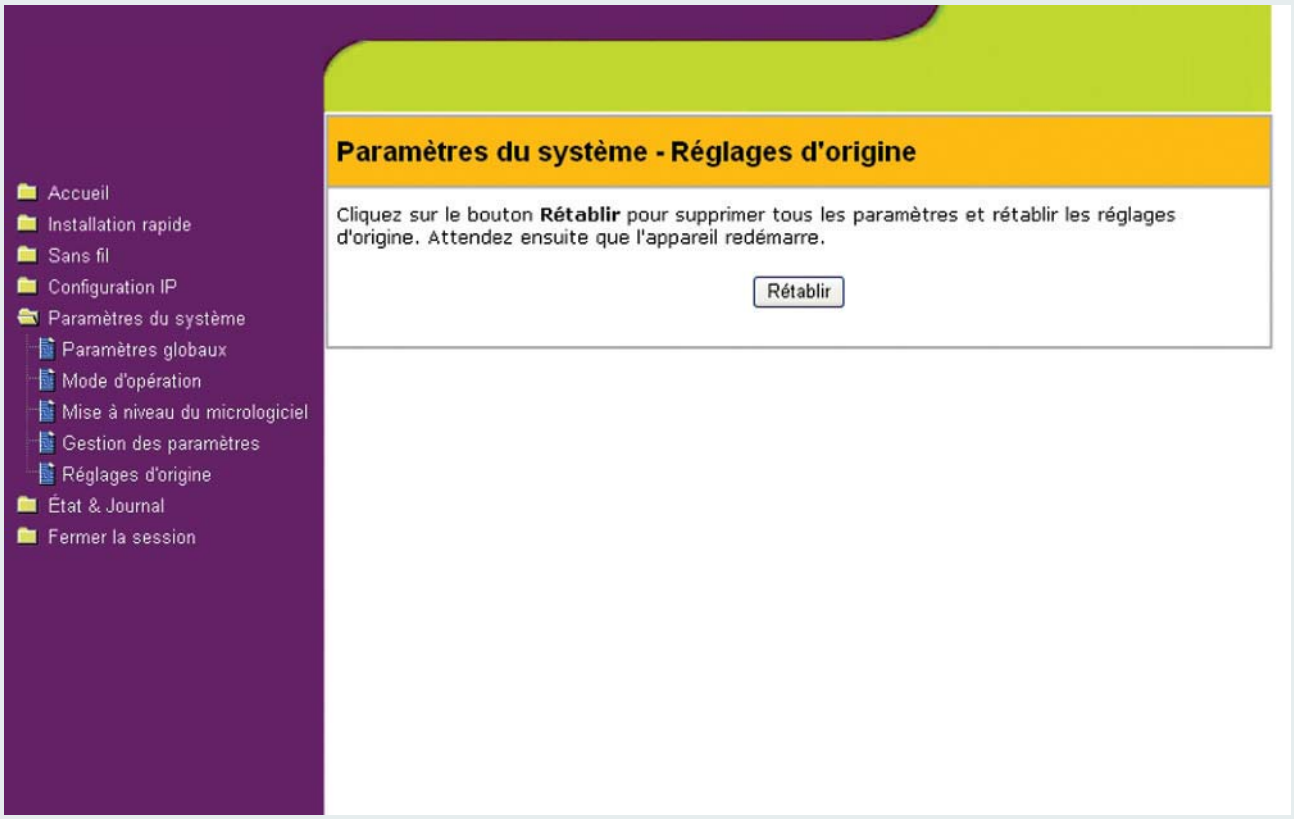
Loading may take several minutes. The system will then be rebooted.

New parameter file

Click **Browse**

to locate the file.

2.4.4 / FACTORY SETTINGS



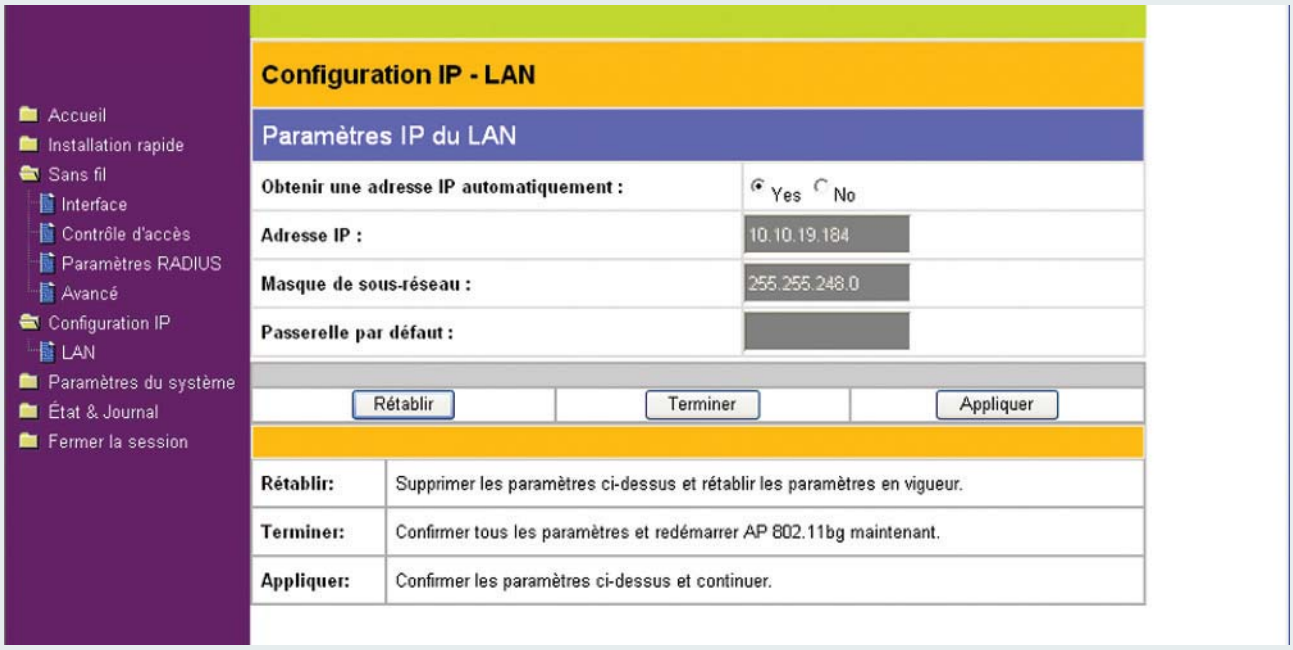
Restores factory default settings.

Web manager

Use the Web manager to restore all the original default settings on the “Factory Settings” page, in the advanced parameters menu. Click the “Reset” button and wait approximately 30 seconds before trying to access the Access point.

2.5 / STATUS AND LOG

This section provides information about the Access point.



Going further with wireless technology

Channel overlapping

WiFi technology is radio transmission technology operating on a frequency band around 2.4 GHz. Within this band, several channels have been assigned to enable several close networks to co-exist. On the 2.4 GHz band in France, 13 channels are available.
When two Access points use the same channel to transmit, they interfere with each other and reduce the data transmission speed over the radio network. In the 2.4 GHz band, the channels partially overlap.
Channel 5 will therefore cause strong interference with channels 4 and 6, much weaker interference (but nonetheless existent) with channels 3 and 7.

Frequency overlap between channels:

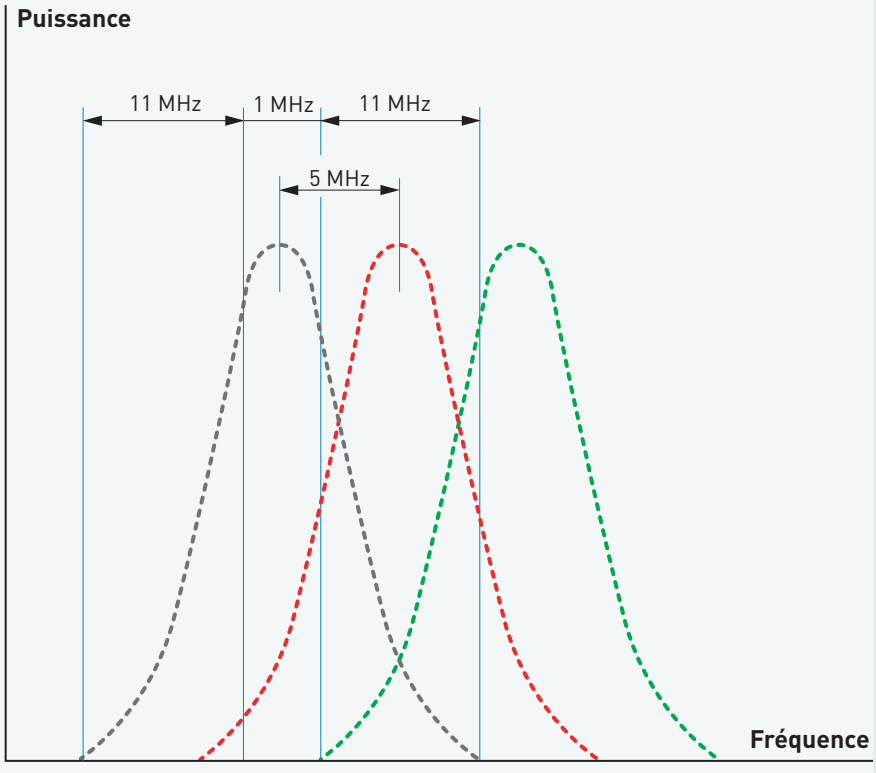


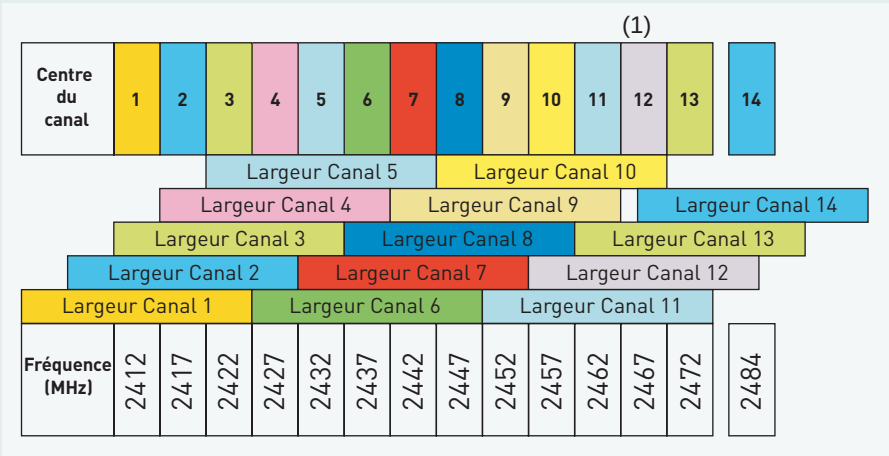
Figure 1
Distribution of channels by frequency on the 2.4 GHz band.

WiFi technology

For this reason, if an installation features three Legrand Access points, it is useful to configure each product on a channel sufficiently distant from the others to avoid overlapping, e.g. three Access points on channels 3, 8 and 13 respectively.
Most wireless adapters indicate the channel they connect to when they locate the SSID network selected by the user. This allows you to know if channels are already used (e.g. in a neighbouring installation). We therefore recommend that you choose your channels as far as possible from the other channels already used.

Channel distribution

Channel distribution:



(1) Only channels 1 to 13 are available in France

Table 1
Distribution of the 14 channels of the 2.4 GHz band

Range of access point

802.11g equipment is compatible with 802.11b equipment.

802.11g technology is limited to 54 Mbit/s and 802.11b to 11 Mbit/s.

The speed of any wireless network is specified close to the Access point. In reality this depends on the distance and the obstacles between the Access point and the network adapters of computers with wireless connections:
Your Legrand Access point supports both 802.11b and 802.11g technologies and can therefore offer speeds of up to 54 Mbit/s.
The speed of communication between 2 wireless devices is limited by the lesser performing of the two. Therefore, 802.11b equipment connecting to your Legrand Access point will only reach a speed of 11 Mbit/s. However 802.11g equipment will be able to benefit from the maximum speed 54 Mbit/s connection.

The further the physical distance between the Access point and the wireless-equipped computer, the slower the speed between them (see figure 1).

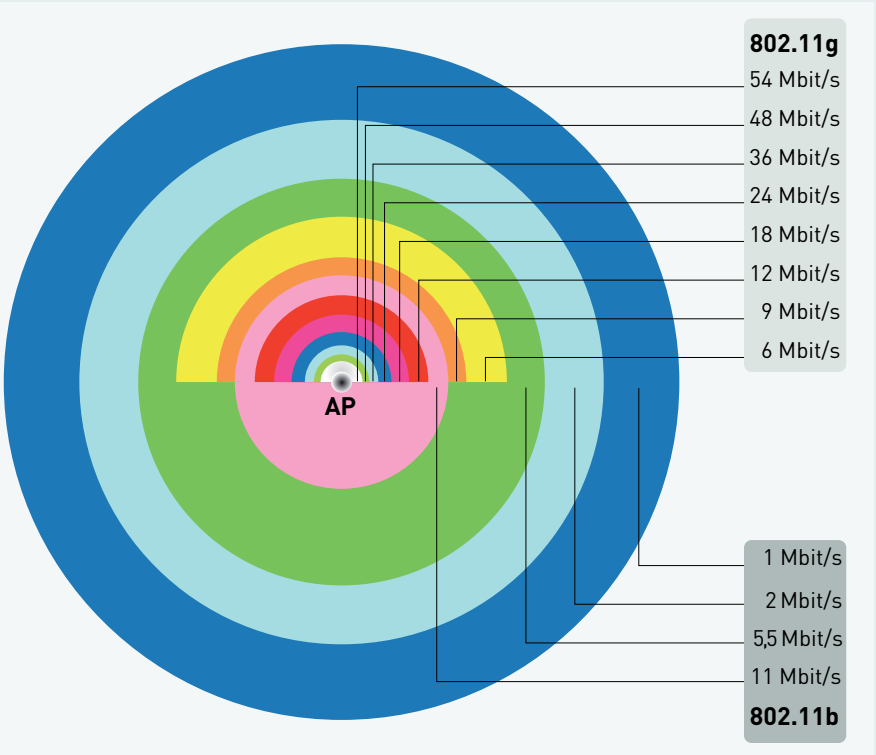


Figure 1
Relationship between speed and distance

Return to factory settings

Problem or blockage

If you encounter problems during configuration or the connection is blocked (e.g. lost encryption key).

Connect your computer to a socket on the Ethernet network to which your Legrand Access point is connected, launch the Wireless Settings configuration wizard and reconfigure the Legrand Access point(s) in Open mode.

4 / GLOSSARY

a

AP
Access Point.

c

Centrino
Set of techniques developed by Intel for mobile IT devices, especially laptop computers. They contain all that is necessary to connect to a wireless network.

Channel
Subdivision of the wireless band.
There are 13 channels available in France on the 2.4 GHz band.

Configuration password
Password required to modify the configuration (channel, SSID, encryption) of the Legrand Access Point.
The configuration password is requested when you click the configuration button in the configuration wizard.

e

Encryption
Encoding of data exchanged between two wireless devices to make the data incomprehensible to all equipment not possessing the encryption key.
Network key: password or code used to encrypt and decrypt data exchanged between devices.

h

Hexadecimal key
Hexadecimal representation of the network key. Only used with WEP encryption.
Some wireless adapters only allow the use of the network key in its hexadecimal form.
Hexadecimal keys are represented by characters between 0 to 9 and a to f.
WEP 64-bit technology requires 10 characters and WEP 128-bit requires 26 characters.

i

ID Card
Card containing the characteristics of a Legrand Access point, containing the default network name (SSID), its configuration password and its MAC address.

m

MAC address
Unique identifier of each wireless Access point. MAC addresses take the form xx:xx:xx:xx:xx:xx or xx-xx-xx-xx-xx-xx (where x is a character between 0 and 9 or between a and f).

Master Access Point
Device identified as the installation reference product. It must be selected from among the access points used in your installation. The other access points will be identified as slaves (see definition of slave access point). This definition only applies to an installation featuring several access points.

n

Network key
Password or code used to encrypt and decrypt data exchanged between devices.

o

Over-lapping
When two wireless channels overlap in the 2.4 GHz band.

Open system
State of unencrypted communication (security).

s

Securing a wireless network
Adding encryption to wireless communications.

Shared Key
Pre-shared Key (PSK) = network key.

SSID
Name distinguishing a wireless network from another. Legrand SSIDs have the form AP_xxxxxx (where x is a character between 0 and 9 or between a and f.

Slave Access Point
If your installation features *x* access points, you will have *x-1* slave access points. A slave access point is a copy of the master access point configuration; the SSID and network password are identical. This configuration allows you to keep your network connection when moving from a zone covered by one access point to a zone covered by another access point. This definition only applies to an installation featuring several access points.

t

TKIP
Temporal Key Integrity Protocol: protection technique for encryption keys used by WPA technology.

W

WEP
Wired-Equivalent Privacy: Encryption technique used to secure a wireless network (medium security).

Wi-Fi
Wireless Fidelity (radio transmitted/ wireless data network).

WPA
WiFi Protected Access: Encryption technique used to secure a wireless network (high security).

Wireless adapter
Wireless Communication device (in the form of an expansion card for a laptop computer or pocket PC, a USB device or usually integrated into most laptop computers). To configure your wireless adapter, refer to the instructions provided with it (each device has its own configuration methods).

802.11b
Radio communication technology offering maximum speed of 11 Mbit/s.

802.11g
Radio communication technology offering maximum speed of 54 Mbit/s.

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